SEQUENCE LISTING

<110> Bals, Robert
       Koczulla, Andreas R
       Degenfeld-Schonburg, George Johannes

<120> MODULATING ANGIOGENESIS USING LL-37/HCAP-18

<130> 68004167-001001

<140> 10/787497
<141> 2004-02-26

<150> EP1358888
<151> 2003-02-27

<160> 7

<170> PatentIn version 3.3

<210> 1
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1

Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly Lys Glu
1   5   10   15

Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn Leu Val
                20   25   30

Pro Arg Thr Glu Ser
            35

<210> 2
<211> 170
<212> PRT
<213> Homo sapiens

<300>
<308> P49913
<309> 2006-06-13
<313> (1)..(170)

<400> 2

Met Lys Thr Gln Arg Asp Gly His Ser Leu Gly Arg Trp Ser Leu Val
1   5   10   15

Leu Leu Leu Leu Gly Leu Val Met Pro Leu Ala Ile Ile Ala Gln Val
                20   25   30

Leu Ser Tyr Lys Glu Ala Val Leu Arg Ala Ile Asp Gly Ile Asn Gln
            35   40   45

```
Arg Ser Ser Asp Ala Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Arg
    50              55              60
```

```
Pro Thr Met Asp Gly Asp Pro Asp Thr Pro Lys Pro Val Ser Phe Thr
65              70              75              80
```

```
Val Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Ser Pro Glu Asp
                85              90              95
```

```
Cys Asp Phe Lys Lys Asp Gly Leu Val Lys Arg Cys Met Gly Thr Val
            100             105             110
```

```
Thr Leu Asn Gln Ala Arg Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp
            115             120             125
```

```
Asn Lys Arg Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu
    130             135             140
```

```
Lys Ile Gly Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe
145             150             155             160
```

```
Leu Arg Asn Leu Val Pro Arg Thr Glu Ser
                165             170
```

```
<210>  3
<211>  739
<212>  DNA
<213>  Homo sapiens
```

```
<300>
<308>  NM_004345
<309>  2006-07-23
<313>  (1)..(739)
```

```
<400>  3
taaagcaaac cccagcccac accctggcag gcagccaggg atgggtggat caggaaggct      60

cctggttggg cttttgcatc aggctcaggc tgggcataaa ggaggctcct gtgggctaga     120

gggaggcaga catggggacc atgaagaccc aaagggatgg ccactccctg gggcggtggt     180

cactggtgct cctgctgctg ggcctggtga tgcctctggc catcattgcc caggtcctca     240

gctacaagga agctgtgctt cgtgctatag atggcatcaa ccagcggtcc tcggatgcta     300

acctctaccg cctcctggac ctggacccca ggcccacgat ggatggggac ccagacacgc     360

caaagcctgt gagcttcaca gtgaaggaga cagtgtgccc caggacgaca cagcagtcac     420

cagaggattg tgacttcaag aaggacgggc tggtgaagcg gtgtatgggg acagtgaccc     480

tcaaccaggc cagggggctcc tttgacatca gttgtgataa ggataacaag agatttgccc     540

tgctgggtga tttcttccgg aaatctaaag agaagattgg caaagagttt aaaagaattg     600
```

tccagagaat caaggatttt ttgcggaatc ttgtacccag gacagagtcc tagtgtgtgc   660

cctaccctgg ctcaggcttc tgggctctga gaaataaact atgagagcaa tttcaaaaaa   720

aaaaaaaaaa aaaaaaaaa   739

<210>   4
<211>   3324
<212>   DNA
<213>   Homo sapiens

<300>
<308>   X96735
<309>   2004-09-09
<313>   (1)..(3324)

<400>   4
tcaagaagcg tagacaacct ttcctaagac ttggcttggg agaagccatg gtgaaaggcc   60

atgtctggag gggcttggga acattttgag actgaaaaaa acagtgaaga aggatgcaga   120

aggggtatag atggagcaga gccttcgtct ggctgacggc tgggtccaga gagcatgtgg   180

tatggccttg aactgaaagg gcaacttgtc ccttgcaaga gtgagtctct aggttggggt   240

ggctactgtc ttcatttacc agttcttttt tttttttcat actgagtctc actctgttac   300

ccaggctgga gtgcagtggc atgatctcag ctaactgcaa cttctgcttc ccgggttcaa   360

tgggttcaag tgattctcat gcctcagctt gtagctggga ctacaggtgt gagccatcat   420

gcgtggctaa ttttcatatt tttagtagag atgggtttca ccatgttggc caagcttgtc   480

tcgaactcct tatctcaggt gatccgccca ccttggcctc ccaaagtgct gggattatag   540

gcgtgagcca ccgtgccctg cctcattcat caattcttaa tcgatgccta cagggtgcca   600

ggcaatgcct agagctggag atttagcact ccatcatact gactcctgag gagtagaagg   660

atgtagatag gcacctggct ctcttcctct ctggagggat ttaacgctct tgagcacccc   720

tggctatgac aatctccggt caggtctggg aggttgtcag agatgaagaa accacttcct   780

catcttgcac acaaggaagg cctcactcac tgcccagcaa gtcctgtgaa gcaatagcca   840

ggggctaaag caaaccccag cccacaccct ggcaggcagc cagggatggg tggatcagga   900

aggctcctgg ttgggctttt gcatcaggct caggctgggc ataaaggagg ctcctgtggg   960

ctagagggag gcagacatgg gaccatgaag acccaaaggg atggccactc cctggggcgg   1020

tggtcactgg tgctcctgct gctgggcctg gtgatgcctc tggccatcat gcccaggtc   1080

ctcagctaca aggaagctgt gcttcgtgct atagatggca tcaaccagcg gtcctcggat   1140

gctaacctct accgcctcct ggacctggac cccaggccca cgatggtgag ctttggggga   1200

cattctgctc tgctctggct gggcttggcc acgtgttgtt ccttctgctc ctgctgcact   1260

gcctgccagg agggcatctc cccctttaaa tgtggtcccg tgttttccag ggaaccttct   1320

agagctcgtg tctcctccca gctcgagagc ttcctgcctt ataattcctg ctgtggcaga   1380

```
gataccctca ccccgacccc acgcaggttt tgggacttct gcgagctcca ggcactagaa      1440

tggggtcatt ggctctgggc agtgacctcc tctgctttaa gtctcttctg taccacgtta      1500

ccccacatag ggaagaactc aatccagact ttaggttcca gtgggcatgt cttgtccccc      1560

aggaagcccc tgacttccct tgcccccacc ccagagtggg aggggctcct tgtaagagct      1620

catctgaggt ctgctcctac tcactgttca cctaggaggg taggaatggc tcagtcctcc      1680

tcccctcaat gccccagtgc caagcccagc acccagtgcc cgtcgcacat caggtactgt      1740

ggaaagcctg ccctcttggt ggggaggtca tggacacaaa tcagaaaata caagaatggg      1800

cctccccatt tcctcctctg actaggatgg ggacccagac acgccaaagc ctgtgagctt      1860

cacagtgaag gagacagtgt gccccaggac gacacagcag tcaccagagg attgtgactt      1920

caagaaggac ggggtgaggc tgggggctgg gggtgttggt gggtgcctcc caaggagctg      1980

aacaggggc acctggggaa tatttcccac tgggatgtgg ctgggaggtc atggcaaatg       2040

gtttcaagtt tgaccttgag cttctccttt ccagctggtg aagcggtgta tggggacagt      2100

gaacctcaac caggccaggg gctcctttga catcagttgt gataaggtga gtgggctgtt      2160

ctgggatgca ggggctgatg ggggcataga gtgtggacca tccaatgggt caattaacta      2220

ctcccccaac ccaagacaga gaaagcccct cctacccagg gctcttcccc aaacctgagt      2280

tccatctcca aggccggctc tggaatccct tagagcggta gatctccaag tgtagccctt      2340

cctgggggact cgttagatat gcaaattctc aggccctact cagacctact cagacagact     2400

ctgggtaggc ccagaattcg tattttgata agctttccag gagattccgg cttctgtaaa      2460

gtttgagagc cactgtctaa gagtactcag ctctcagccc tgtgttccca tctcagtgtt      2520

gctgggctgg gctgtgtgac cctgcagagc ccctcactat ctccgggact ctgttttctc      2580

atcttttttat tgggtgtagg gattcaatca catgcttcaa aggtcacagc cagaggttga     2640

actggggccc caaagctcct gcggggggccc acgaagaggg gcgtctaggt ggggaggggt     2700

cttggattga ccctgggtac atccccgaca aggaacctgt ttcttcctgt acacaacccc      2760

aggataacaa gagatttgcc ctgctgggtg atttcttccg gaaatctaaa gagaagattg      2820

gcaaagagtt taaaagaatt gtccagagaa tcaaggattt tttgcggaat cttgtaccca      2880

ggacagagtc ctagtgtgtg ccctaccctg gctcaggctt ctgggctctg agaaataaac      2940

tatgagagca atttcctcag gcttcagtct cacttgtttt gcctcctctc tctcaccaca      3000

actgagccct tagctcaggg agtccacgtg tgagtgtgag tgtgtgtgag tgtgacacag      3060

aggtggcgag ggcagtgttc catccaggag gacacagggt aaggcagtag ggccaagaga      3120

tccaagatgg cattcccatt ctcagtggaa cccccagtgg gaattaagga gctctactct      3180

gtgtgtggtg gtgggggaat gctgtggagc tgttcctgct catggggagg tgacattcaa      3240
```

gggaggggcc aacgtggggt gtaaactcac agaagcatgt tcattccata ggttttcggc   3300

aacttgtgag cgtacccgag aaaa   3324

<210> 5
<211> 23
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide

<400> 5
gaccttggat tcttgctcta gtc   23

<210> 6
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide

<400> 6
ccatcctcac aatgcctgta a   21

<210> 7
<211> 6
<212> PRT
<213> Artificial

<220>
<223> synthetic peptide

<220>
<221> D-Methionine
<222> (6)..(6)
<223> D-form of the amino acid methionine

<400> 7

Trp Lys Tyr Met Val Met
1   5